

Message

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**From:** Jacobs, Keith [jacobs.keith@epa.gov]  
**Sent:** 3/31/2022 3:11:33 PM  
**To:** Wolf, Joel [Wolf.Joel@epa.gov]; McNamara, Katalan (Katie) [McNamara.Katalan@epa.gov]  
**CC:** Morris, Jeff [Morris.Jeff@epa.gov]; Canavan, Sheila [Canavan.Sheila@epa.gov]; Symmes, Brian [Symmes.Brian@epa.gov]; Healy, Sheila [Healy.Sheila@epa.gov]; Kramek, Niva [kramek.niva@epa.gov]; Masten, Bethany [Masten.Bethany@epa.gov]  
**Subject:** RE: TCE ECEL for congenital heart defects  
**Attachments:** TCE ECEL Memo\_cardiac update 3-30-22\_ECRMD redline\_KJ comment.docx

Sorry, missed attachment!

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Keith Jacobs, Ph.D.  
William Jefferson Clinton Building East, 6308QQ  
Office Phone: 202-564-0146

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**From:** Jacobs, Keith  
**Sent:** Thursday, March 31, 2022 1:17 AM  
**To:** Wolf, Joel <Wolf.Joel@epa.gov>; McNamara, Katalan (Katie) <McNamara.Katalan@epa.gov>  
**Cc:** Morris, Jeff <Morris.Jeff@epa.gov>; Canavan, Sheila <Canavan.Sheila@epa.gov>; Symmes, Brian <Symmes.Brian@epa.gov>; Healy, Sheila <Healy.Sheila@epa.gov>; Kramek, Niva <kramek.niva@epa.gov>; Masten, Bethany <Masten.Bethany@epa.gov>  
**Subject:** RE: TCE ECEL for congenital heart defects

I made a few comments in response.

Jeff/Sheila, are you ok with the formatting of your title?

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Keith Jacobs, Ph.D.  
William Jefferson Clinton Building East, 6308QQ  
Office Phone: 202-564-0146

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**From:** Wolf, Joel <Wolf.Joel@epa.gov>  
**Sent:** Wednesday, March 30, 2022 6:33 PM  
**To:** Jacobs, Keith <jacobs.keith@epa.gov>; McNamara, Katalan (Katie) <McNamara.Katalan@epa.gov>  
**Cc:** Morris, Jeff <Morris.Jeff@epa.gov>; Canavan, Sheila <Canavan.Sheila@epa.gov>; Symmes, Brian <Symmes.Brian@epa.gov>; Healy, Sheila <Healy.Sheila@epa.gov>; Kramek, Niva <kramek.niva@epa.gov>; Masten, Bethany <Masten.Bethany@epa.gov>  
**Subject:** RE: TCE ECÉL for congenital heart defects

Hi Keith,

## Ex. 5 Deliberative Process (DP)

Let us know if you have any questions. Thanks, Joel

Joel Wolf  
Chief, RMB 1  
OCSPP/OPPT/ECRMD  
US Environmental Protection Agency  
202.564.0432, [wolf.joel@epa.gov](mailto:wolf.joel@epa.gov)

**From:** Wolf, Joel  
**Sent:** Tuesday, March 29, 2022 9:56 AM  
**To:** Jacobs, Keith <[jacobs.keith@epa.gov](mailto:jacobs.keith@epa.gov)>; McNamara, Katalan (Katie) <[McNamara.Katalan@epa.gov](mailto:McNamara.Katalan@epa.gov)>  
**Cc:** Morris, Jeff <[Morris.Jeff@epa.gov](mailto:Morris.Jeff@epa.gov)>; Canavan, Sheila <[Canavan.Sheila@epa.gov](mailto:Canavan.Sheila@epa.gov)>; Symmes, Brian <[Symmes.Brian@epa.gov](mailto:Symmes.Brian@epa.gov)>; Healy, Sheila <[Healy.Sheila@epa.gov](mailto:Healy.Sheila@epa.gov)>  
**Subject:** RE: TCE ECEL for congenital heart defects

Hi Keith and Jeff,

## Ex. 5 Deliberative Process (DP)

Thanks, Joel

Joel Wolf  
Chief, RMB 1  
OCSPP/OPPT/ECRMD  
US Environmental Protection Agency  
202.564.0432, [wolf.joel@epa.gov](mailto:wolf.joel@epa.gov)

**From:** Jacobs, Keith <[jacobs.keith@epa.gov](mailto:jacobs.keith@epa.gov)>  
**Sent:** Wednesday, March 23, 2022 6:23 PM  
**To:** McNamara, Katalan (Katie) <[McNamara.Katalan@epa.gov](mailto:McNamara.Katalan@epa.gov)>; Wolf, Joel <[Wolf.Joel@epa.gov](mailto:Wolf.Joel@epa.gov)>  
**Cc:** Morris, Jeff <[Morris.Jeff@epa.gov](mailto:Morris.Jeff@epa.gov)>  
**Subject:** TCE ECEL for congenital heart defects

## Ex. 5 Deliberative Process (DP)

Let me know if there are any questions.

Keith Jacobs, Ph.D.  
Lead Biologist  
Risk Assessment Division, AB5  
OCSPP-OPPT  
U.S. Environmental Protection Agency  
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